


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Rio Grande 10-13-4-1W				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> UNDESIGNATED				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee</b>			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Deveraux Living Trust						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 2378W 7575 W ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
<b>LOCATION AT SURFACE</b>	1840 FSL 1972 FEL		NWSE	13	4.0 S	1.0 W	U			
<b>Top of Uppermost Producing Zone</b>	1840 FSL 1972 FEL		NWSE	13	4.0 S	1.0 W	U			
<b>At Total Depth</b>	1840 FSL 1972 FEL		NWSE	13	4.0 S	1.0 W	U			
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 800			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1440			<b>26. PROPOSED DEPTH</b> MD: 7195 TVD: 7195				
<b>27. ELEVATION - GROUND LEVEL</b> 4956			<b>28. BOND NUMBER</b> B001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
<b>Surf</b>	12.25	8.625	0 - 500	24.0	J-55 ST&C	8.3	Class G	229	1.17	15.8
<b>Prod</b>	7.875	5.5	0 - 7195	15.5	J-55 LT&C	8.3	Premium Lite High Strength	359	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Mandie Crozier				<b>TITLE</b> Regulatory Tech				<b>PHONE</b> 435 646-4825		
<b>SIGNATURE</b>				<b>DATE</b> 12/15/2010				<b>EMAIL</b> mcrozier@newfield.com		
<b>API NUMBER ASSIGNED</b> 43047514120000				<b>APPROVAL</b>  Permit Manager						

NEWFIELD PRODUCTION COMPANY  
RIO GRANDE 10-13-4-1W  
NW/SE SECTION 13, T4S, R1W  
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2,090'
Green River	2,090'
Wasatch	6,920'
<b>Proposed TD</b>	<b>7,195'</b>

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)      2,090' – 6,920'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

**a. Casing Design: Rio Grande 10-13-4-1W**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	500'	24.0	J-55	STC	2,950 10.52	1,370 8.61	244,000 20.33
Prod casing 5-1/2"	0'	7,195'	15.5	J-55	LTC	4,810 2.10	4,040 1.76	217,000 1.95

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

**b. Cementing Design: Rio Grande 10-13-4-1W**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	500'	Class G w/ 2% CaCl	229 268	30%	15.8	1.17
Prod casing Lead	5,195'	Prem Lite II w/ 10% gel + 3% KCl	359 1170	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 500$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 350$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 500' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2011, and take approximately seven (7) days from spud to rig release.

**T4S, R1W, U.S.B.&M.**East 1/4 Corner  
Sec 12 (Angle Point)  
(Proportioned, Not Set)

N89°53'W - 79.41 (G.L.O.)

S89°05'02"W

2605.33' (Meas. to C.C.)  
2608.27' (Meas. to True)Northeast Closing  
Corner Section 13  
1959 Galv. Steel CapS00°56'03"E 2657.43'  
(Meas. from East 1/4  
Corner Sec. 12 to A.P.)

S88°49'29"W - 2656.93' (Meas.)

1959 Galv.  
Steel Cap1959 Galv.  
Steel CapNorthwest Corner  
Sec. 18 (Angle Point)  
1959 Galv. Steel Cap

Lot 1

**WELL LOCATION:  
10-13-4-1W**

ELEV. UNGRADED GROUND = 4955.6'

**13**DRILLING  
WINDOW

200'

1972' Lot 3

Lot 4

1840'

S88°53'19"W - 5240.15' (Meas.)  
N89°53'W - 79.30 (G.L.O.)

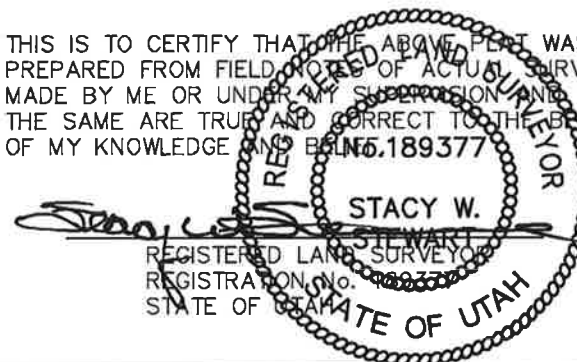
90.43'

Angle Point  
Reestablished Using  
Single Proportion  
Method (Not Set)

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on  
LOCATION: an N.G.S. OPUS Correction.  
LAT. 40°04'09.56" LONG. 110°00'43.28"  
(Tristate Aluminum Cap) Elev. 5281.57'**10-13-4-1W**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 07' 58.14"  
LONGITUDE = 109° 56' 32.93"**NEWFIELD EXPLORATION COMPANY**WELL LOCATION, 10-13-4-1W, LOCATED  
AS SHOWN IN THE NW 1/4 SE 1/4 OF  
SECTION 13, T4S, R1W, U.S.B.&M.  
UINTAH COUNTY, UTAH.**NOTES:**

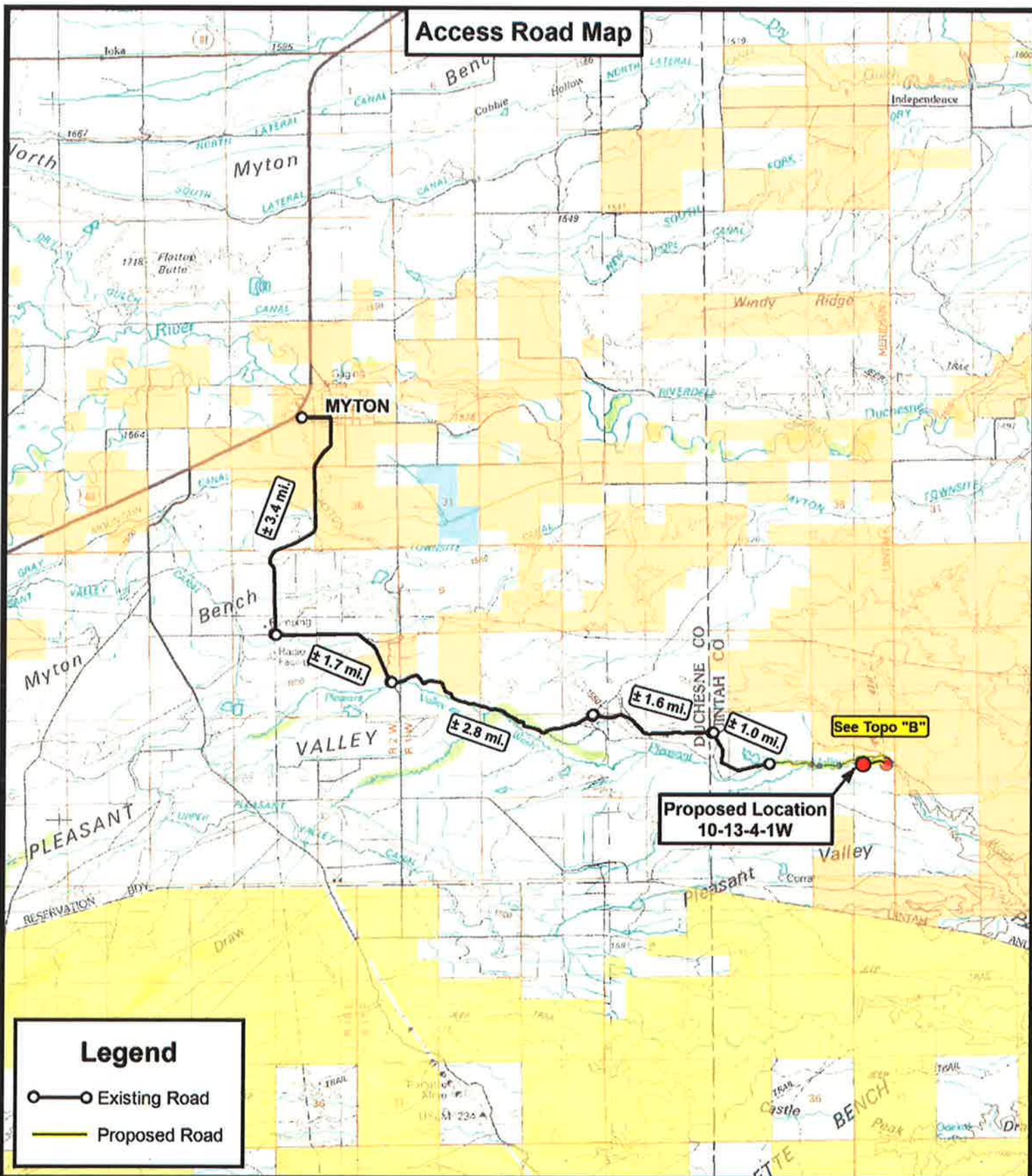
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF. 189377**TRI STATE LAND SURVEYING & CONSULTING**180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 10-01-10	SURVEYED BY: S.V.
DATE DRAWN: 10-06-10	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



# Access Road Map



## Legend

- Existing Road
- Proposed Road



**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

10-13-4-1W  
SEC. 13, T4S, R1W, U.S.B.&M.  
Uintah County, UT.

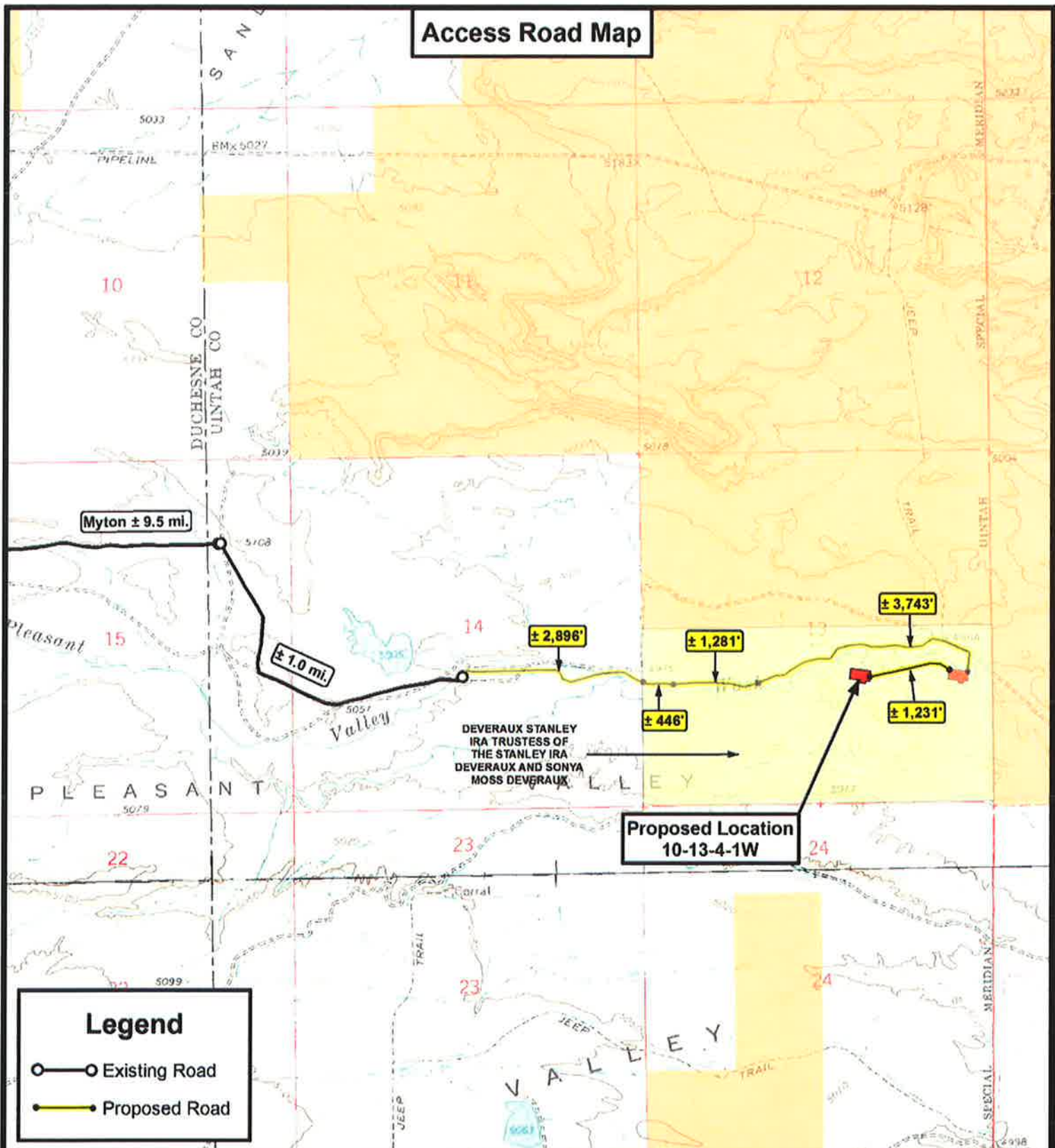
DRAWN BY: C.H.M.  
DATE: 10-07-2010  
SCALE: 1:100,000

TOPOGRAPHIC MAP

SHEET  
**A**



## Access Road Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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## NEWFIELD EXPLORATION COMPANY

10-13-4-1W  
SEC. 13, T4S, R1W, U.S.B.&M.  
Uintah County, UT.

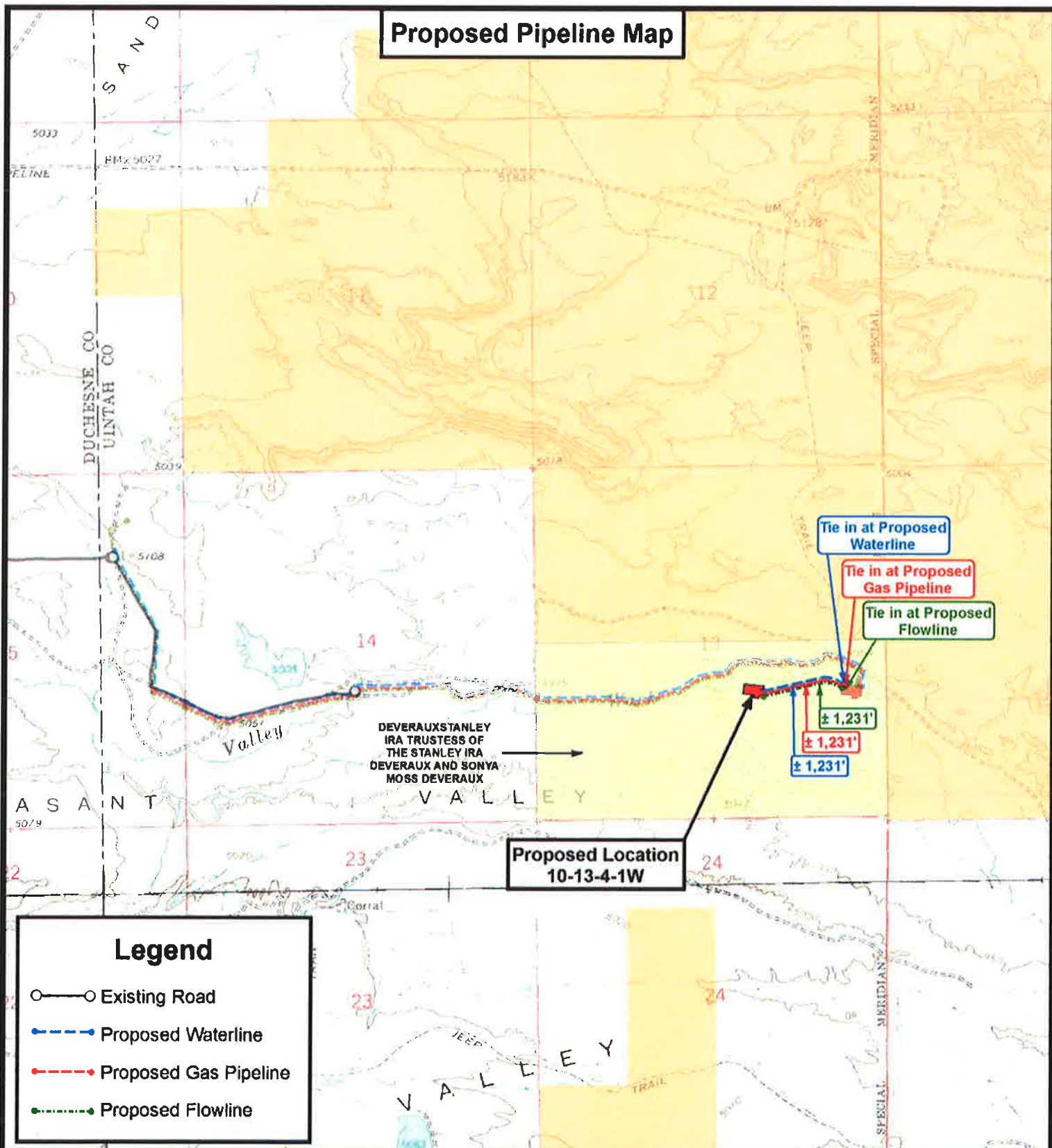
DRAWN BY: C.H.M.  
DATE: 10-07-2010  
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET  
**B**



# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Waterline
- Proposed Gas Pipeline
- Proposed Flowline

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

10-13-4-1W  
SEC. 13, T4S, R1W, U.S.B.&M.  
Uintah County, UT.

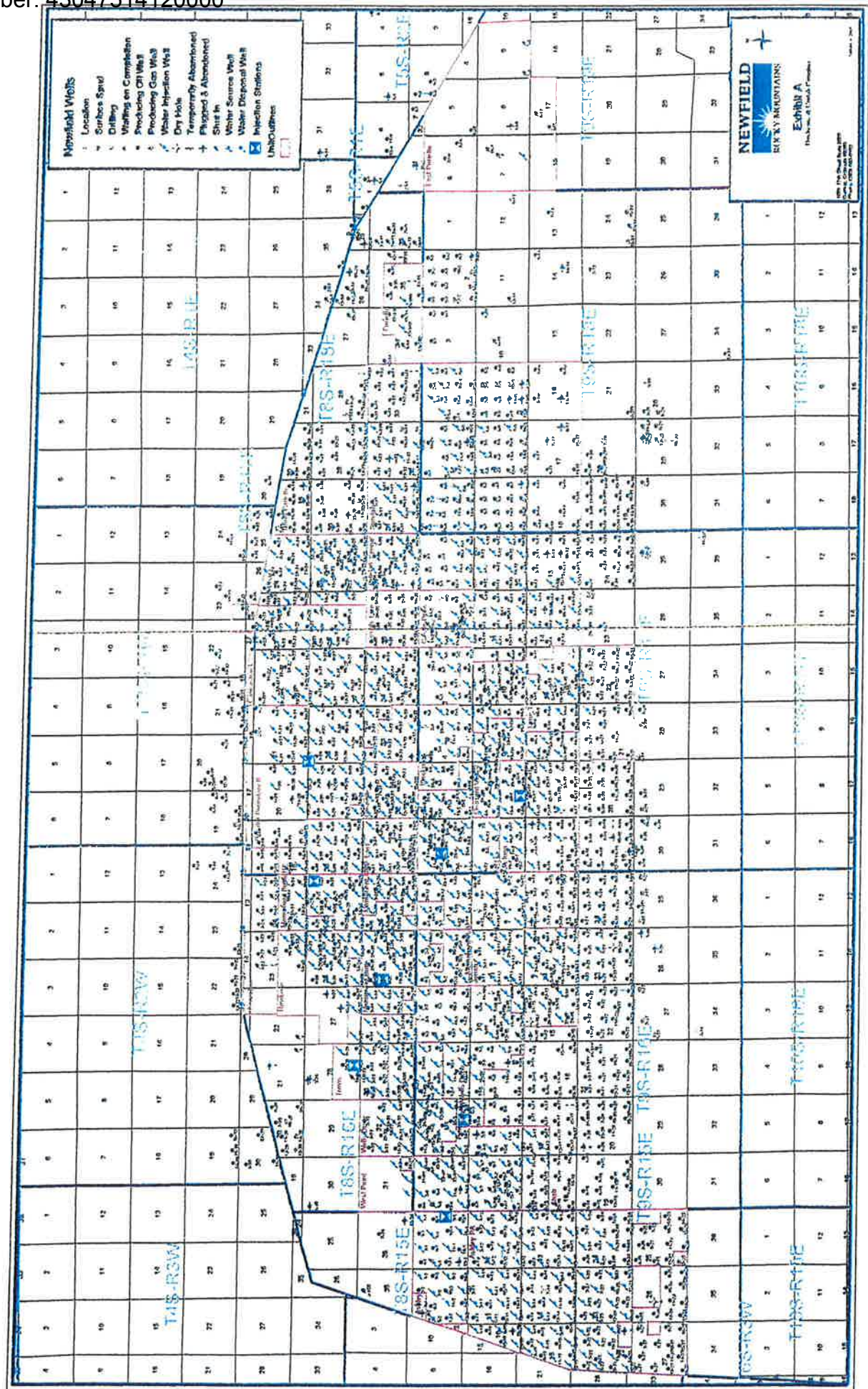
DRAWN BY: C.H.M.  
DATE: 10-07-2010  
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET  
**C**

RECEIVED: Dec. 15, 2010







**Exhibit "B" Map**

**Proposed Location  
10-13-4-1W**

**Legend**

-  1 Mile Radius
-  Proposed Location

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



**NEWFIELD EXPLORATION COMPANY**

**10-13-4-1W**  
**SEC. 13, T4S, R1W, U.S.B.&M.**  
**Uintah County, UT.**

DRAWN BY:	C.H.M.
DATE:	10-07-2010
SCALE:	1" = 2,000'

**TOPOGRAPHIC MAP**

SHEET  
**D**

**EASEMENT, RIGHT-OF-WAY  
and  
SURFACE USE AGREEMENT**

This Easement and Surface Use Agreement ("Agreement") is entered into this 30<sup>th</sup> day of August 2010 by and between, **Gary Deveraux and The Stanley Ira Deveraux and Sony Moss Deveraux Living Trust, whose address is 2378 W. 7575 S., West Jordan, UT 84084** ("Surface Owner," whether one or more), and NEWFIELD PRODUCTION COMPANY, a Texas corporation ("NEWFIELD"), with offices at 1001 Seventeenth Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Duchesne County, Utah described as follows:

Utah

Township 4 South, Range 1 West

Section 13:

S2

Section 14:

NE4, N2SE

Utah County

557.43 acres more or less.

Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of constructing, using and maintaining access roads, locations for surface equipment, and surface and subsurface gathering lines, pipelines, and pipeline interconnections, for wells drilled upon the Lands and any neighboring lands, for two years from the date of this agreement and so long thereafter as NEWFIELD's oil and gas leases on the Lands remain in effect.

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

Compensation for Operations; Release of All Claims

A. Drillsites, Access Roads, and Facilities

**NEWFIELD shall pay to Surface Owner within 30 days of construction completion of any drillsite location, the sum of \_\_\_\_\_ for each well and associated access road located on the surface of the Lands.** Such payment shall be a one time payment per well as full and final settlement and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its use of road rights-of way and its continuing activities related to the production or transportation of oil, gas or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, surface damages, and any and all other reasonable and customary uses of land related to said operations or activities.

Additionally, NEWFIELD shall pay to Surface Owner on or before August 30th of each year this agreement is in affect, as rental, the sum of \$ \_\_\_\_\_ **per year for each well located on the surface and/or access road upon the surface of the non-crop lands and \_\_\_\_\_ per year for each well located on the surface and/or access road upon the surface of crop lands.**

B. Road Access

Surface Owner hereby grants NEWFIELD the right to build and use roads to access well locations, including access to locations on neighboring lands, as long as there is no interference with Surface Owners operations. The path and the length of the road upon the Lands shall be established and measured during an on-site inspection prior to the commencement of drilling operations, which shall be approved by Surface Owner. NEWFIELD shall make such upgrades to the existing road as may be necessary for rig operations and shall continue to maintain each road so long thereafter as NEWFIELD's oil and gas leases remain in effect to that location.



In the event a road traverses the Lands to a well or wells located on neighboring lands, and does not access any well or wells on the Lands described herein, then NEWFIELD shall pay to surface owner the amounts set out below. Such payment shall be a one-time payment for each disturbed surface as full and final settlement and satisfaction of any and all detriment, depreciation, injury or damage of any nature to the lands or growing crops thereon that may occur as a result of NEWFIELD's operations.

1. Ten Dollars (\$10.00) per rod for roads installed on crop lands upon the Lands. Crop Land is defined as that which is now cultivated, seeded, harvested and the crop sold
2. Five Dollars (\$5.00) per rod for roads installed on non-crop lands upon the Lands. Non-crop land is defined as that which is not crop land.

C. Pipelines

NEWFIELD shall pay to Surface Owner, the amount as set out below, per rod for pipelines, gathering lines, and pipeline interconnections installed upon the Lands. The path and the length of the pipeline upon the Lands shall be established and measured during an on-site inspection prior to the commencement of drilling operations, which shall be approved by Surface Owner. Such payment shall be a one-time payment for each disturbed surface as full and final settlement and satisfaction of any and all detriment, depreciation, injury or damage of any nature to the lands or growing crops thereon that may occur as a result of NEWFIELD's pipeline operations.

1. Ten Dollars (\$10.00) per rod for pipelines, gathering lines, and pipeline interconnections installed on crop lands upon the Lands. Crop land is defined as that which is now cultivated, seeded, harvested and the crop sold.
2. Five Dollars (\$5.00) per rod for pipelines, gathering lines, and pipeline interconnections installed on non-crop lands upon the Lands. Non-crop land is defined as that which is not crop land.

Agreement Terms for Operations of Drillsites, Access Roads, Pipelines, and Facilities

- A. Road/pipeline rights-of-way shall be limited to 60' in width, with an 18' travel surface and pipelines to be installed to one side of the right-of-way.
- B. Roads constructed by NEWFIELD shall, at all times, be properly graded, drained and maintained by NEWFIELD. Adequate culverts, at ditch and drainage crossing, and barrow pits shall be installed where roads cross ditches or drainages.
- C. Any fences cut shall be restored to their original condition and/or BLM fence specifications.
- D. If Surface Owner or NEWFIELD chooses to lock any gates on access routes, the party locking the gate will provide keys to NEWFIELD or Surface Owner.
- E. All road rights-of-way herein conveyed shall be for the private use of NEWFIELD, its agents, employees, contractors and subcontractors only, with no right of use to the public.
- F. Surface Owner, his agents and/or assigns, shall have the right to use the roads constructed by NEWFIELD under the terms of this Agreement. However, such use shall be at Surface Owner's sole risk and expense and Surface Owner shall indemnify and hold NEWFIELD harmless against any claims for injuries and/or losses, which result from such use of roads. Should NEWFIELD no longer need to use all or any portion of the roads constructed on the leased premises, Surface Owner shall have the option, but not the obligation, to take over maintenance of such road. Should Surface Owner elect not to take over maintenance of the abandoned road or road section, NEWFIELD shall restore such road surface according to the standards set forth herein.
- G. Restoration of the Lands shall commence as soon as practicable after drilling and completion activities are concluded. All disturbed Land will be maintained and reclaimed in accordance with Bureau of Land Management Standards.
- H. All pipelines and flow lines outside of the permanent production facility shall be laid on the surface. When requested by Surface Owner, pipelines traversing crop lands, as

defined above, may be buried below plow depth and surface areas impacted by the construction shall be rehabilitated to their original state.

- I. Newfield agrees to reclaim all pipelines that it abandons and restore the surface in accordance with Bureau of Land Management Standards.

Notices

Notices by either party hereto shall be promptly given in writing and mailed to:

Surface Owner: **Gary and Stanley Ira Deveraux**  
**2378 W. 7575 S.**  
**West Jordan, UT 84084**

NEWFIELD: Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, CO 80202  
(303) 893-0102 FAX:(303) 893-0103

This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned.

The parties hereto have executed this document and made effective as of the day first above written.

**NEWFIELD PRODUCTION COMPANY**

By:  FE  
Dan Shewmake, Vice President-Development RTH  
Vice President

**GARY DEVERAUX AND THE STANLEY IRA DEVERAUX AND SONYA MOSS DEVERAUX LIVING TRUST**

By:  11/6/10  
Gary Deveraux, Private Surface Owner

By:  11/6/10  
Stanley Ira Deveraux, Private Surface Owner  
Trustee of the Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust

**EXHIBIT D**

Township 4 South, Range 1 West

Section 13:

The South half

Section 14:

The Northeast Quarter; the North half of the Southeast Quarter

Uintah County

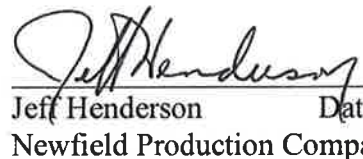
Being 557.43 acres more or less

**ARCHAEOLOGICAL, PALEONTOLOGICAL, & BIOLOGICAL  
REPORT WAIVER**

For the above referenced locations, **Gary Deveraux and The Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust**, the private surface owners. (Having a Surface Owner Agreement with Newfield Production Company)

**Gary Deveraux and Stanley Ira Deveraux**, representing this entity does agree to waive the request from the State of Utah and Bureau of Land Management for an Archaeological/Cultural, Paleontological, and Biological Resource Survey for any wells covered by the Surface Use Agreement dated **9/28/2010** between the above said private land owner and Newfield Production. This waiver hereby releases Newfield Production Company from this request.

 11/6/10  
\_\_\_\_\_  
**Gary Deveraux** Date  
Private Surface Owner

 11-6-10  
\_\_\_\_\_  
**Jeff Henderson** Date  
Newfield Production Company

 11/6/10  
\_\_\_\_\_  
**Stanley Ira Deveraux** Date  
Trustee of the Stanley Ira Deveraux and Sonya Moss Deveraux Living Trust  
Private Surface Owner

**COPY**

NEWFIELD PRODUCTION COMPANY  
RIO GRANDE 10-13-4-1W  
NW/SE SECTION 13, T4S, R1W  
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map “A”**

To reach Newfield Production Company well location site Rio Grande 10-13-4-1W located in the NW¼ SE¼ Section 13, T4S, R1W, S.L.B. & M., Uintah County, Utah:

Proceed in a southwesterly direction out of Myton, approximately 3.4 miles to the junction of this road and an existing road to the east; proceed in a southeasterly direction approximately 6.1 miles to it's junction with an existing road to the southeast; proceed southeasterly approximately 1.0 miles to it's junction with the beginning of the proposed access road to the east; proceed in an easterly direction along the proposed access road approximately 8,366' to the 9-13-4-1W well location; continue in a westerly direction approximately 1,231' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 9,597' of access road is proposed. See attached **Topographic Map “B”**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.



3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-7478

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous

will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** Gary Deveraux and the Stanley and Sony Deveraux Living Trust. See the attached Memorandum of Right of Way and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 9,597' of planned access road to be granted. **Refer to Topographic Map "B"**. Newfield Production Company requests 1,231' of surface gas line to be granted. Newfield Production Company requests 1,231' of buried water line to be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 3" poly fuel gas line, a buried 3" steel water injection line and a buried 3" poly water return line. The planned access road will consist of a 18' permanent running surface (9' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a

Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

**Surface Flow Line**

Newfield requests 1,231' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

**Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Rio Grande 10-13-4-1W, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Rio Grande 10-13-4-1W Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.



Ten Point Well Program &  
Thirteen Point Well Program  
Page 10 of 10

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton  
  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
  
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #10-13-4-1W, NW/SE Section 13, T4S, R1W, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

12/15/10  
Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

## 2-M SYSTEM

Blowout Prevention Equipment Systems

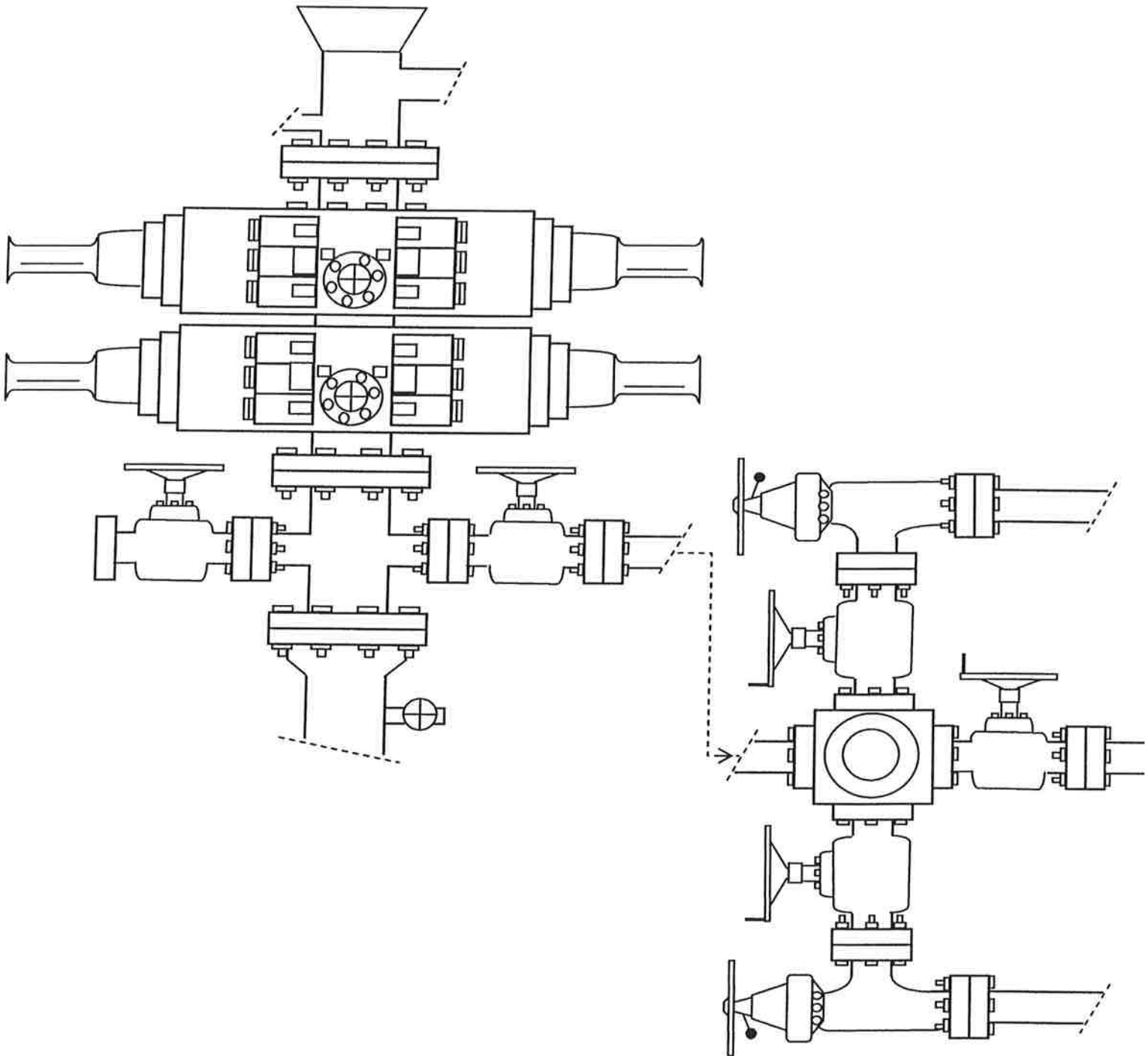
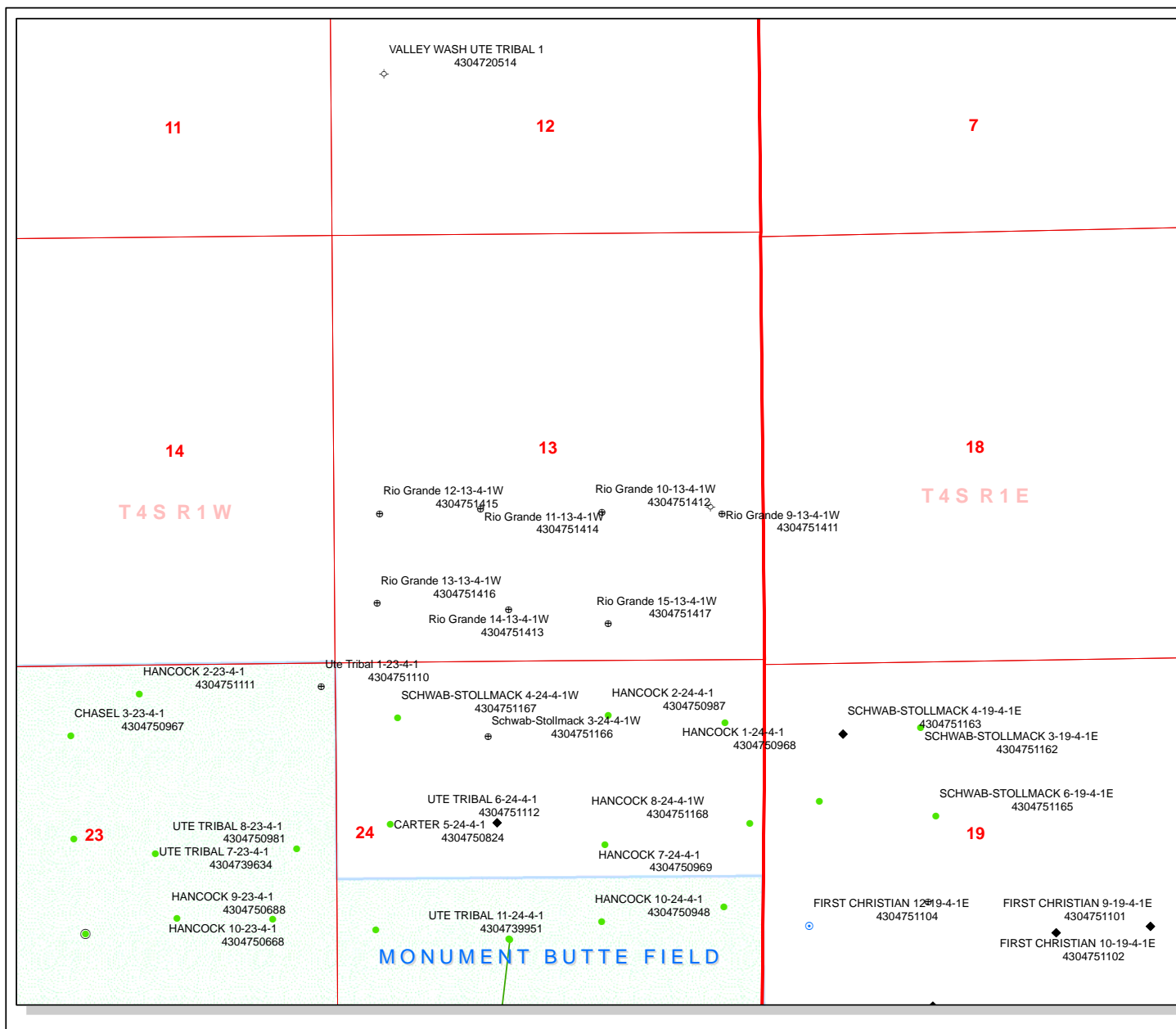
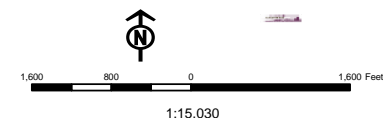
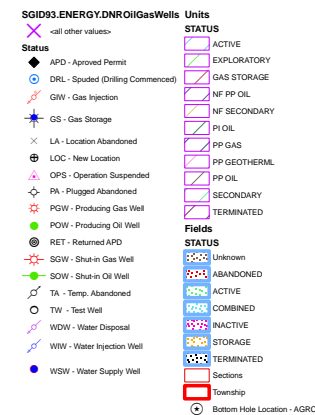


EXHIBIT C



**API Number: 4304751412**  
**Well Name: Rio Grande 10-13-4-1W**  
**Township 04.0 S Range 01.0 W Section 13**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPAN**

Map Prepared:  
 Map Produced by Diana Mason



Well Name	NEWFIELD PRODUCTION COMPANY Rio Grande 10-13-4-1W			
String	Surf	Prod		
Casing Size(in)	8.625	5.500		
Setting Depth (TVD)	500	7195		
Previous Shoe Setting Depth (TVD)	0	500		
Max Mud Weight (ppg)	8.3	8.3		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	3094	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	216	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	156	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	106	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	106	NO OK
Required Casing/BOPE Test Pressure=		500	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3105	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2242	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1522	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1632	NO Supporting justification provided
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		500	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

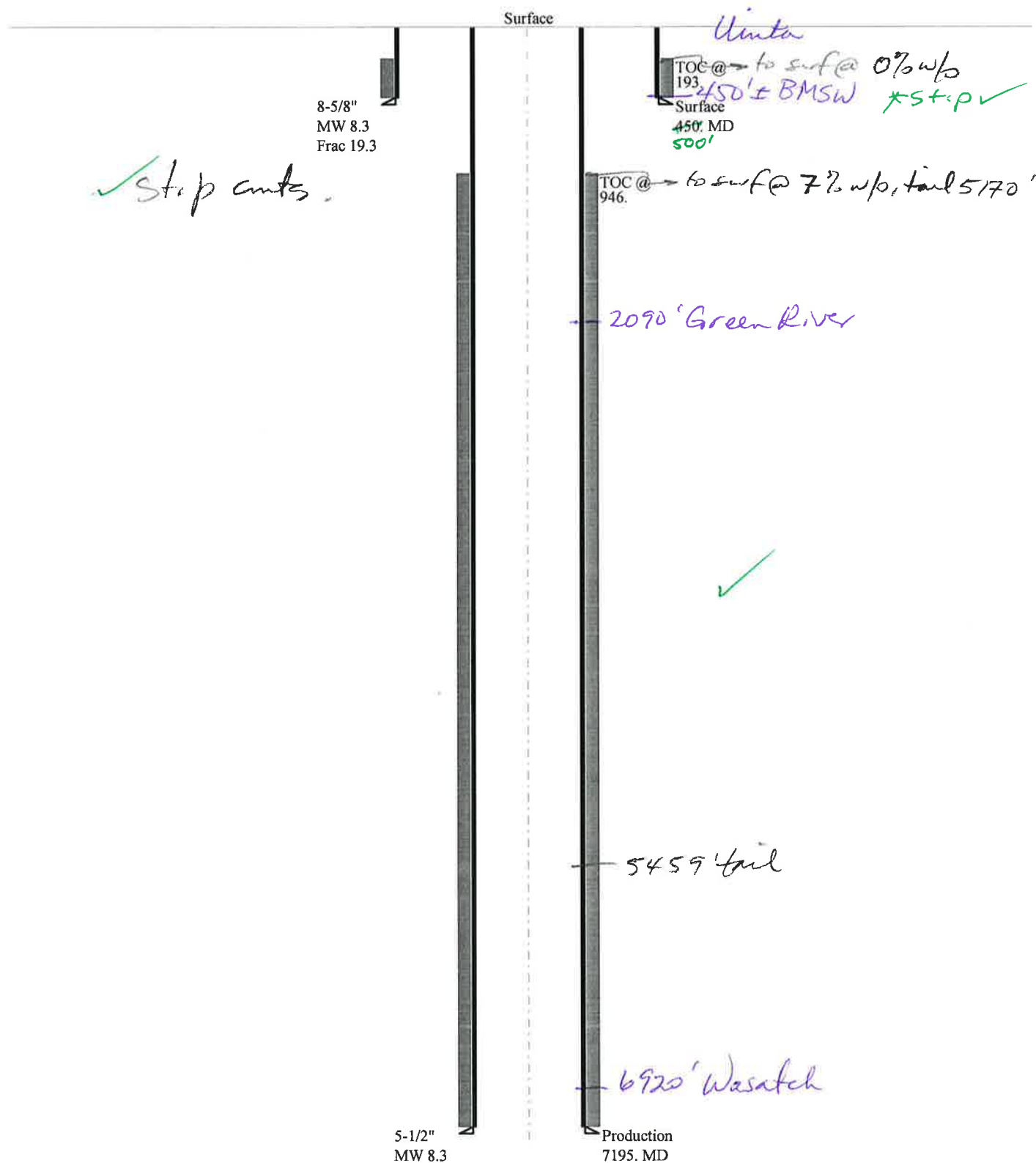


API Well Number: 43047514120000

*Max Pressure Allowed @ Previous Casing Shoe=	<input type="text"/>	psi *Assumes 1psi/ft frac gradient
-----------------------------------------------	----------------------	------------------------------------

# 43047514120000 Rio Grande 10-13-4-1W

## Casing Schematic



Well name:	<b>43047514120000 Rio Grande 10-13-4-1W</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Surface	Project ID:	43-047-51412
Location:	UINTAH	COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 80 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 193 ft

**Burst**

Max anticipated surface pressure: 396 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 450 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 394 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 7,195 ft  
Next mud weight: 8.300 ppg  
Next setting BHP: 3,102 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 450 ft  
Injection pressure: 450 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	<del>450</del> 500	8.625	24.00	J-55	ST&C	450	450	7.972	2317
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	195	1370	7.035	<del>450</del> 500	2950	<del>6.56</del> 5.90	10.8	244	22.59 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: January 26, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 450 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**RECEIVED: Apr. 18, 2011**

Well name:	<b>43047514120000 Rio Grande 10-13-4-1W</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-047-51412
Location:	UINTAH	COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 175 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 946 ft

**Burst**

Max anticipated surface pressure: 1,531 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,113 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on air weight.  
Neutral point: 6,288 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7195	5.5	15.50	J-55	LT&C	7195	7195	4.825	25406
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3113	4040	1.298	3113	4810	1.54	111.5	217	1.95 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: January 26, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7195 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**RECEIVED: Apr. 18, 2011**



April 6, 2011

RECEIVED

APR 06 2011

DIV. OF OIL, GAS & MINING

Dustin Ducet  
Petroleum Engineer  
State of Utah, Division of Oil, Gas & Mineral

Helen Sadik-Macdonald  
Engineering Services  
State of Utah, Division of Oil, Gas & Mineral

Subject: Surface Casing Setting Depth in Monument Butte Field and Myton Area

Dustin & Helen:

Thank you both for your correspondence over the last few months regarding surface casing depths north of the Greater Monument Butte Super Unit (GMBU). As you know, the State of Utah has requested that Newfield (NFX) increase surface casing depths to 10% of the total well depth in the north part of our field. In some cases, this is more than twice the depth of the standard 300' of surface casing that has been set in the Monument Butte area over the last 25 years. I understand that the majority of your concern stems from NFX stepping out of the GMBU to the north. For that reason, I have attached a map for your review. This map depicts the area to the north of the GMBU in which NFX has drilled over 200 wells in the last 2 years. NFX refers to this area as the "Myton Area" (outlined with bold black line on the attached map). Our geological team has constructed an overlay displaying Upper Wasatch pressure gradients in this area. The overlay shows that the Myton Area is normally pressured with gradients at or below 0.47 psi/ft (9.0 ppg MW). Nearly 250 wells were drilled in this area utilizing 300' to 350' of surface casing in the last 2 years without incident.

NFX is requesting the following standardization of surface casing depths for the GMBU and the Myton Area:

- GMBU:
  - Continue surface casing program per GMBU standard operating procedure (SOP) of 290'
    - 1,900+ wells drilled in the GMBU with surface casing depths averaging 300'
- Myton Development Area:
  - Increase surface casing set depth in the Myton Area from 300' to 500'.
    - 300+ producing wells in Myton Area with surface casing depths averaging 350'

RECEIVED: Apr. 18, 2011





NFX has spent an extraordinary amount of time and money developing Utah's largest oilfield. We have compiled a large amount of data for this area. We feel very confident that 500' of surface casing is sufficient to safely and economically recover this natural resource. Rather than use an arbitrary "rule of thumb" and set surface casing at 10% of total depth, we are asking you to consider our area experience and the over 2,000 data points/wells we have available to us.

The stars on the attached map represent fee/fee wells (see list below) that the State of Utah is holding, pending a decision on surface casing depth. NFX requests that these wells be the first wells to require 500' of surface casing in the Myton Area.

- Rio Grande 9-13-4-1W
- Rio Grande 10-13-4-1W
- Rio Grande 11-13-4-1W
- Rio Grande 12-13-4-1W
- Rio Grande 13-13-4-1W
- Rio Grande 14-13-4-1W
- Rio Grande 15-13-4-1W
- Rio Grande 16-13-4-1W
- Hancock 8-20-4-1
- Wilken 2-23-4-2W
- Hancock 7-13-4-2W

Please feel free to contact me with any question or concerns regarding this request.

Respectfully,

Sean Stevens  
Petroleum Engineer  
Newfield Production Company  
Myton, Utah  
Office: 435-646-4833  
Cell: 435-823-1162  
sstevens@newfield.com

RECEIVED

APR 06 2011

DIV. OF OIL, GAS & MINING

Over Pressure Boundary

Increase surface casing set depth to 500'

Continue casing program per GMBU SOP

NEWFIELD

Newfield Rocky Mountains

Division of Oil, Gas & Mining

Well Number

Well Name

Well Status

Well Type

Well Depth

Well Completion

Well Production

Well Location

Well Operator

Well Lease

Well Fee

Well Fee Location

RECEIVED: Apr. 18, 2011



**ON-SITE PREDRILL EVALUATION****Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Rio Grande 10-13-4-1W  
**API Number** 43047514120000 **APD No** 3303 **Field/Unit** UNDESIGNATED  
**Location: 1/4,1/4** NWSE **Sec** 13 **Tw** 4.0S **Rng** 1.0W 1840 FSL 1972 FEL  
**GPS Coord (UTM)** 590157 4442833 **Surface Owner** Deveraux Living Trust

**Participants**

Floyd Bartlett (DOGM), Codie Miller (Tri State Land Surveying)

**Regional/Local Setting & Topography**

The proposed location is approximately 13.8 road miles southeast of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Uintah County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats and bottomlands in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. Approximately 1,231 feet of additional new construction across Devereaux private land will be required to reach the location.

The proposed Rio Grande 10-13-4-1W oil well pad is on the west end of an abandoned previously wheel-line irrigated field which is not currently irrigated because of the lack of water. A clay knoll exists off location to the southwest. The pad is oriented in a west to east direction, bordered on the north by Pleasant Valley Wash. Location Corner 1 is approximately 40 feet south of the incised wash. Maximum cut is 5.1 feet at Reserve Pit Corner C and maximum fill is 2.2 feet at Location Corner 7. A diversion ditch is planned around the south side of the location to intercept and divert minor overland flow around the pad. The selected location should be suitable and stable for constructing the pad, drilling and operating the proposed well.

The Gary Deveraux and Stanley Ira Devereaux and Sony Devereaux Living Trust owns the surface of the location and surrounding area.

**Surface Use Plan****Current Surface Use**

Grazing  
Agricultural  
Wildlife Habitat

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.25	<b>Width</b> 204 <b>Length</b> 305	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?****Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

The area was covered with about 8 inches of snow. Identified vegetation includes kochia weed, greasewood, giant whitetop, alfalfa and annual weeds.

Cattle, deer, small mammals and birds.

#### Soil Type and Characteristics

Deep sandy clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** Y

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

#### Reserve Pit

##### Site-Specific Factors

##### Site Ranking

<b>Distance to Groundwater (feet)</b>		20
<b>Distance to Surface Water (feet)</b>		20
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		55

1 Sensitivity Level

##### Characteristics / Requirements

The reserve pit will be 40' x 70' x 8' deep located in an area of cut on the northwest side of the location. A pit liner is required. Newfield commonly uses a 16-mil liner.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

#### Other Observations / Comments

Floyd Bartlett  
Evaluator

1/3/2011  
Date / Time



# Application for Permit to Drill

## Statement of Basis

4/18/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
3303	43047514120000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Deveraux Living Trust	
<b>Well Name</b>	Rio Grande 10-13-4-1W		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWSE 13 4S 1W U 1840 FSL 1972 FEL GPS Coord (UTM) 590159E 4442822N				

**Geologic Statement of Basis**

Newfield proposes to set 350' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 450'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 13. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be an interconnected, high volume source of useable ground water. The surface casing should be extended to cover the base of the moderately saline ground water.

 Brad Hill  
**APD Evaluator**

 1/24/2011  
**Date / Time**
**Surface Statement of Basis**

The proposed location is approximately 13.8 road miles southeast of Myton, UT in a sub-drainage of Pleasant Valley Wash which drains into the Pariette Draw drainage of Uintah County. Both of these draws contain perennial streams somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 12 miles downstream from the location. Broad flats and bottomlands in Pleasant Valley frequently used for agriculture characterize the area. Flats are intersected by drainages with gentle to moderate side slopes. Access is by State and County and existing or planned oil field development roads. Approximately 1,231 feet of additional new construction across Deveraux private land will be required to reach the location.

The proposed Rio Grande 10-13-4-1W oil well pad is on the west end of an abandoned previously wheel-line irrigated field which is not currently irrigated because of the lack of water. A clay knoll exists off location to the southwest. The pad is oriented in a west to east direction, bordered on the north by Pleasant Valley Wash. Location Corner 1 is approximately 40 feet south of the incised wash. Maximum cut is 5.1 feet at Reserve Pit Corner C and maximum fill is 2.2 feet at Location Corner 7. A diversion ditch is planned around the south side of the location to intercept and divert minor overland flow around the pad. The selected location should be suitable and stable for constructing the pad, drilling and operating the proposed well.

The Gary Deveraux and Stanley Ira Deveraux and Sony Deveraux Living Trust owns the surface of the location and surrounding area. A surface use agreement has been signed. Both Gary and Stanley Deveraux were contacted by telephone and invited to the site visit. They planned to attend but telephoned the morning of the visit and said they would not attend. Gary said they had seen all of the sites and had no concerns. The minerals are also FEE but owned by another party and under lease to Newfield Production Company.

 Floyd Bartlett  
**Onsite Evaluator**

 1/3/2011  
**Date / Time**
**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

RECEIVED: Apr. 18, 2011

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## **Application for Permit to Drill Statement of Basis**

4/18/2011

**Utah Division of Oil, Gas and Mining**

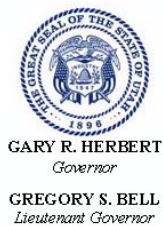
Page 2

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Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 12/15/2010**API NO. ASSIGNED:** 43047514120000**WELL NAME:** Rio Grande 10-13-4-1W**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** NWSE 13 040S 010W**Permit Tech Review:** ☒**SURFACE:** 1840 FSL 1972 FEL**Engineering Review:** ☒**BOTTOM:** 1840 FSL 1972 FEL**Geology Review:** ☒**COUNTY:** UINTAH**LATITUDE:** 40.13278**LONGITUDE:** -109.94176**UTM SURF EASTINGS:** 590159.00**NORTHINGS:** 4442822.00**FIELD NAME:** UNDESIGNATED**LEASE TYPE:** 4 - Fee**LEASE NUMBER:** Fee**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 4 - Fee**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE/FEE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☒ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** R649-3-2**Effective Date:****Siting:**☐ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:**  
5 - Statement of Basis - bhill  
23 - Spacing - dmason  
25 - Surface Casing - hmadonald**RECEIVED:** Apr. 18, 2011



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Rio Grande 10-13-4-1W

**API Well Number:** 43047514120000

**Lease Number:** Fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 4/18/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:



- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

Spud  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# 29 Submitted By  
Branden Arnold Phone Number 435-401-0223  
Well Name/Number RG 10-13-4-1W  
Qtr/Qtr NW/SE Section 13 Township 4S Range 1W  
Lease Serial Number FEE  
API Number 43-047-51412

Spud Notice – Spud is the initial spudding of the well, not drilling  
out below a casing string.

Date/Time 6/8/11      9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing  
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 6/8/11      3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

---

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: RIO GRANDE 10-13-4-1W
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 13, T4S, R1W		9. API NUMBER: 4304751412
		10. FIELD AND POOL, OR WILDCAT: MYTON-TRIBAL EDA
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 06/10/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/8/11 MIRU Ross #29. Spud well @9:00 AM. Drill 515' of 12 1/4" hole with air mist. TIH W/ 12 Jt's 8 5/8" J-55 24# csgn. Set @ 517.12. On 6/10/11 cement with 260 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 4.5 barrels cement to pit. WOC.

NAME (PLEASE PRINT) <u>Branden Arnold</u>	TITLE _____
SIGNATURE <u></u>	DATE <u>06/10/2011</u>

(This space for State use only)

**RECEIVED**

**JUN 20 2011**

**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 517.12

LAST CASING 14 SET AT 15  
 DATUM 13  
 DATUM TO CUT OFF CASING 13  
 DATUM TO BRADENHEAD FLANGE 13  
 TD DRILLER 515 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company  
 WELL RIO GRANDE 10-13-4-1W  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 29

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		wellhead				A	1.42
12	8 5/8"	casing (shoe jt 41.25)	24	J-55	STC	A	503.8
1	8 5/8"	guide shoe				A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			506.12
TOTAL LENGTH OF STRING		506.12	12	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		2.32		PLUS DATUM TO T/CUT OFF CSG			13
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>517.12</b>
TOTAL		503.8	12	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)							
TIMING							
BEGIN RUN CSG.	Spud	9:00 AM	6/8/2011	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		6:00 AM	6/8/2011	Bbls CMT CIRC TO SURFACE _____			
BEGIN CIRC		8:34 AM	6/10/2011	RECIPROCATED PIPI <u>No</u>			
BEGIN PUMP CMT		8:47 AM	6/10/2011	BUMPED PLUG TO <u>430</u>			
BEGIN DSPL. CMT		9:04 AM	6/10/2011				
PLUG DOWN		9:14 AM	6/10/2011				



[illegible]

COMPANY REPRESENTATIVE

## Branden Arnold

DATE **6/10/2011**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	18086	4304751412	RIO GRANDE 10-13-4-1W	NWSE	13	4S	1W	UINTAH	6/8/2011	6/29/11
WELL 1 COMMENTS: GRRV											
A	99999	18087	4304751417	RIO GRANDE 15-13-4-1W	SWSE	13	4S	1W	UINTAH	6/9/2011	6/29/11
GRRV											
E	17995	17995	4301350077	UTE TRIBAL 2-28-4-2	NWNE	28	4S	2W	DUCHESNE	3/25/2011	5/2/11
CHANGE TO GR-WS FORMATION											
E	17988	17988	4301350323	UTE TRIBAL 9-17-4-2	NESE	17	4S	2W	DUCHESNE	3/21/2011	4/28/11
CHANGE TO GR-WS FORMATION											
E	17992	17992	4301350390	UTE TRIBAL 16-18-4-2	SESE	18	4S	2W	DUCHESNE	3/31/2011	4/27/11
CHANGE TO GR-WS FORMATION											
E	18031	18031	4301350446	BECKSTEAD 11-17-4-2W	NESW	17	4S	2W	DUCHESNE	4/26/2011	5/24/11
CHANGE TO GR-WS FORMATION											

ACTION CODES (See Instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED  
JUN 27 2011

DIV. OF OIL, GAS & MINING

Signature \_\_\_\_\_ Jentri Park  
Production Clerk \_\_\_\_\_ 06/23/11

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> RIO GRANDE 10-13-4-1W			
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1840 FSL 1972 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 13 Township: 04.0S Range: 01.0W Meridian: U		<b>9. API NUMBER:</b> 43047514120000			
<b>10. FIELD and POOL or WILDCAT:</b> UNDESIGNATED		<b>COUNTY:</b> UINTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		<b>STATE:</b> UTAH			
<b>TYPE OF SUBMISSION</b>  <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/25/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<b>TYPE OF ACTION</b>  <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION			
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The above well was completed on 07/25/2011. Attached is a daily completion status report.					
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b>					
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician			
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/12/2011				

**Daily Activity Report****Format For Sundry****RIO GRANDE 10-13-4-1W****5/1/2011 To 9/30/2011****7/19/2011 Day: 1****Completion**

Rigless on 7/19/2011 - Run CBL & shoot first stage. - NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 7120' cement top @ 162'. Perforate CP1/CP.5 sds as shown in perforation report. 170 BWTR. SWIFN.

**Daily Cost:** \$0**Cumulative Cost:** \$21,698**7/20/2011 Day: 2****Completion**

Rigless on 7/20/2011 - Frac & flow well. - RU Extreme wireline. Set CBP & perf A.5 sd as shown in perforation report. RU Baker Hughes. Frac A.5 sds as shown in stimulation report. 1146 BWTR. - RU Baker Hughes frac crew. Frac CP1/CP.5 sds as shown in stimulation report. 751 BWTR. - RU Extreme wireline. Set CBP & perf DS2/PB11 sds as shown in perforation report. RU Baker Hughes. Frac DS2/PB11 sds as shown in stimulation report. 2048 BWTR. RD Baker Hughes & Extreme wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 1.5 hrs & died. Recovered 200 bbls. SWIFN. 1848 BWTR. - RU Extreme wireline. Set CBP & perf D3/D2 sds as shown in perforation report. RU Baker Hughes. Frac D3/D2 sds as shown in stimulation report. 1545 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$122,191**7/25/2011 Day: 3****Completion**

Nabors #147 on 7/25/2011 - ND Cameron BOP. NU Schaeffer BOP. RIH w/ tbg. - SICP @ 150 psi, SITP @ 50 psi. Bleed off well. Cont. RIH w/ tbg. Tag CBP @ 5590'. RU power swivel. DU CBP in 28 min. Cont. RIH w/ tbg. Tag fill @ 5900'. C/O sand to CBP @ 5930'. DU CBP in 17 min. Cont. RIH w/ tbg. Tag fill @ 6090'. C/O to CBP @ 6140'. DU CBP in 21 min. Cont. RIH w/ tbg. Tag fill @ 6990'. C/O to PBTD @ 7137'. Circulate well clean. Pull up to 7022'. RIH w/ swab. SFL @ surface. Made 16 runs. Recovered 160 bbls. No show of sand. Trace of oil. EFL @ 2000'. SWIFN. 1638 BWTR. - SICP @ 150 psi, SITP @ 50 psi. Bleed off well. RIH w/ tbg. Tag PBTD @ 7137' (no new fill). Circulate well clean. LD extra tbg. POOH w/ tbg. LD BHA. RIH w/ production string. ND BOP. Set TAC @ 6590' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic rod pump & rod string. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 2 bbls water. Stroke test to 800 psi. Good pump action. PWOP @ 7:45 p.m. 120" stroke length, 4.5 SPM. Final Report. 1690 BWTR. - SICP @ 150 psi, SITP @ 50 psi. Bleed off well. RIH w/ tbg. Tag PBTD @ 7137' (no new fill). Circulate well clean. LD extra tbg. POOH w/ tbg. LD BHA. RIH w/ production string. ND BOP. Set TAC @ 6590' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic rod pump & rod string. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 2 bbls water. Stroke test to 800 psi. Good pump action. PWOP @ 7:45 p.m. 120" stroke length, 4.5 SPM. Final Report. 1690 BWTR. - SICP @ 150 psi, SITP @ 50 psi. Bleed off well. Cont. RIH w/ tbg. Tag CBP @ 5590'. RU power swivel. DU CBP in 28 min. Cont. RIH w/ tbg. Tag fill @ 5900'. C/O sand to CBP @ 5930'. DU CBP in 17 min. Cont. RIH w/ tbg. Tag fill @ 6090'. C/O to CBP @ 6140'. DU CBP in 21 min. Cont. RIH w/ tbg. Tag fill @ 6990'. C/O to PBTD @ 7137'. Circulate well clean. Pull up to 7022'. RIH w/ swab. SFL @ surface. Made 16 runs. Recovered 160 bbls. No show of sand. Trace of oil. EFL @ 2000'. SWIFN. 1638

**RECEIVED** Aug. 12, 2011

BWTR. - SICP @ 150 psi, SITP @ 50 psi. Bleed off well. Cont. RIH w/ tbg. Tag CBP @ 5590'. RU power swivel. DU CBP in 28 min. Cont. RIH w/ tbg. Tag fill @ 5900'. C/O sand to CBP @ 5930'. DU CBP in 17 min. Cont. RIH w/ tbg. Tag fill @ 6090'. C/O to CBP @ 6140'. DU CBP in 21 min. Cont. RIH w/ tbg. Tag fill @ 6990'. C/O to PBTD @ 7137'. Circulate well clean. Pull up to 7022'. RIH w/ swab. SFL @ surface. Made 16 runs. Recovered 160 bbls. No show of sand. Trace of oil. EFL @ 2000'. SWIFN. 1638 BWTR. - MIRU Nabors #147. ND Cameron BOP. NU Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 127 jts new 2 7/8" tbg. from pipe racks (tallying & drifting). SWIFN. - SICP @ 150 psi, SITP @ 50 psi. Bleed off well. RIH w/ tbg. Tag PBTD @ 7137' (no new fill). Circulate well clean. LD extra tbg. POOH w/ tbg. LD BHA. RIH w/ production string. ND BOP. Set TAC @ 6590' w/ 18,000# tension. NU wellhead. X-over for rods. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic rod pump & rod string. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 2 bbls water. Stroke test to 800 psi. Good pump action. PWOP @ 7:45 p.m. 120" stroke length, 4.5 SPM. Final Report. 1690 BWTR. - MIRU Nabors #147. ND Cameron BOP. NU Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 127 jts new 2 7/8" tbg. from pipe racks (tallying & drifting). SWIFN. - MIRU Nabors #147. ND Cameron BOP. NU Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 127 jts new 2 7/8" tbg. from pipe racks (tallying & drifting). SWIFN. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$176,406

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**Pertinent Files:** [Go to File List](#)

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_2. Name of Operator  
NEWFIELD EXPLORATION COMPANY3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)  
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1840' FSL &amp; 1972' FEL (NW/SE) SEC. 13, T4S, R1W

At top prod. interval reported below

At total depth 7192'

14. Date Spudded  
06/08/201115. Date T.D. Reached  
07/03/201116. Date Completed 07/23/2011  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
4956' GL 4968' KB18. Total Depth: MD 7192'  
TVD19. Plug Back T.D.: MD 7137'  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	515'		260 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	7182'		321 PRIMLITE		162'	
						430 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6590'	TA @ 6491'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	5350'	6519'	6466-6519'	.36"	30	
B)			5350-6060'	.34"	78	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5350-6519'	Frac w/ 192322#s 20/40 sand in 1277 bbls of Lightning 17 fluid in 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/26/11	8/13/11	24	→	44	16	52			2-1/2" x 1-1/2" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):  Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.	31. Formation (Log) Markers  GEOLOGICAL MARKERS
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	5350'	6519'		GARDEN GULCH MRK GARDEN GULCH 1	4575' 4761'
				GARDEN GULCH 2 POINT 3	4885' 5179'
				X MRKR Y MRKR	5400' 5438'
				DOUGLAS CREEK MRK BI CARBONATE MRK	5579' 5930'
				B LIMESTON MRK CASTLE PEAK	6044' 6423'
				BASAL CARB WASATCH	6799' 6919'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
☒ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jennifer Peatross      Title Production Technician  
 Signature *Peatross*      Date 08/25/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Daily Activity Report****Format For Sundry****RIO GRANDE 10-13-4-1W****4/1/2011 To 8/30/2011****RIO GRANDE 10-13-4-1W****Waiting on Cement****Date:** 6/10/2011

Ross #29 at 515. Days Since Spud - 517.12'KB. On 6/10/11 cement w/BJ w/260 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - On 6/8/11 Ross #29 spud and drilled 515' of 12 1/4" hole, P/U and run 12 jts of 8 5/8" casing set - yield. Returned 4.5bbls to pit, bump plug to 430psi, BLM and State were notified of spud via email.

**Daily Cost:** \$0**Cumulative Cost:** \$142,230

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**RIO GRANDE 10-13-4-1W****Drill 7 7/8" hole with fresh water****Date:** 6/30/2011

Capstar #328 at 2336. 1 Days Since Spud - WAIT ON DAYLIGHT - DRILL 7 7/8" HOLE F/515'-2,336' 14 WOB, 60 RPM, 1,007 PP, 418 GPM - DRILL OUT CEMENT F/455'-515' - TIH AND TAG CEMENT @ 455' - M/U BIT, P/U AND ORIENTATE DIR. TOOLS - RIG SAFETY INSPECTION - PJSM WITH B&C QUICK TEST, TEST BOP - NIPPLE UP BOP - MOVE FROM RG 15-13-4-1W, RIG UP - WAIT ON DAYLIGHT - DRILL 7 7/8" HOLE F/515'-2,336' 14 WOB, 60 RPM, 1,007 PP, 418 GPM - DRILL OUT CEMENT F/455'-515' - TIH AND TAG CEMENT @ 455' - M/U BIT, P/U AND ORIENTATE DIR. TOOLS - RIG SAFETY INSPECTION - PJSM WITH B&C QUICK TEST, TEST BOP - NIPPLE UP BOP - MOVE FROM RG 15-13-4-1W, RIG UP

**Daily Cost:** \$0**Cumulative Cost:** \$186,588

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**RIO GRANDE 10-13-4-1W****Drill 7 7/8" hole with fresh water****Date:** 7/1/2011

Capstar #328 at 5370. 2 Days Since Spud - DRILL F/ 3786 - 5370' WOB 20 RPM 60 GPM 404 PP1500 - SERVICE RIG - DRILL 7 7/8" HOLE F/ 2336 - 3786' WOB 20 RPM 60 GPM 404 PP1500

**Daily Cost:** \$0**Cumulative Cost:** \$211,650

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**RIO GRANDE 10-13-4-1W****Drill 7 7/8" hole with fresh water****Date:** 7/2/2011

Capstar #328 at 7192. 3 Days Since Spud - DRILL 7 7/8" HOLE F/ 5370' - 6231' WOB 20, RPM 60, PP 1380, GPM 404 - SERVICE RIG - DRILL 7 7/8" HOLE F/ 6231' -7192' WOB 20, RPM 60, PP 1380, GPM 404 - POOH LAYING DOWN PIPE - CIRCULATE HOLE CLEAN SPOT HW PILL

**Daily Cost:** \$0**Cumulative Cost:** \$233,365

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**RIO GRANDE 10-13-4-1W****Rig up to Cement Casing****Date:** 7/3/2011

Capstar #328 at 7192. 4 Days Since Spud - POOH LAYING DOWN PIPE FOR LOGS - WAIT ON HALLIBURTON LOGGERS - PJSM RIG UP LOGGERS - RUN WIRELINE LOGS - RIG UP BJ CMETERS - RUN 5.5" PRODUCTION CASING LAND @7182' - RIG UP TO RUN CASING - RIG DOWN LOGGERS

**Daily Cost:** \$0**Cumulative Cost:** \$258,051

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**RIO GRANDE 10-13-4-1W****Rig up to Cement Casing****Date:** 7/4/2011

Capstar #328 at 7192. 5 Days Since Spud - RIG DOWN CLEAN TANKS RELEASE RIG @ 13:00

- PJSA R/U CEMENTERS - CEMENT CASING AS PER PROGRAM - R/D CEMENTERS **Finalized****Daily Cost:** \$0**Cumulative Cost:** \$391,317

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**Pertinent Files: Go to File List**